

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 870 ft. Lat: 46.3414° N Lon: 86.9242° W
Station: CHATHAM EXP FARM 2, MI US USC00201486

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	24.5	8.0	16.2	4.0	5.6	4.7	0.0	0.0	0.0	0.0	0.0	0.0	1201.1	1263.2	1356.1	1511.1	0.0	0.0	0.1	23.9	30.9	8.6
02	27.4	6.9	17.2	4.6	6.1	5.2	0.0	0.0	0.0	0.0	0.0	0.0	1059.7	1115.8	1199.7	1339.7	0.0	0.0	0.6	18.2	27.7	9.1
03	36.9	15.4	26.1	4.6	5.9	4.9	1.2	0.8	0.3	0.0	0.0	0.0	895.5	957.1	1049.7	1204.4	0.0	0.0	4.2	9.3	29.0	4.7
04	48.3	27.3	37.8	4.5	3.2	3.7	3.9	2.3	0.9	0.1	0.0	0.0	519.8	578.2	666.9	816.1	0.0	0.0	13.8	1.5	23.8	0.2
05	63.1	38.8	50.9	4.1	2.7	3.2	69.3	50.4	30.1	10.1	1.7	0.7	194.9	238.0	310.7	445.7	0.0	0.2	27.1	0.0	9.2	0.0
06	73.3	48.4	60.9	3.0	2.2	2.4	209.2	166.3	110.8	46.0	13.1	6.8	33.8	50.8	85.4	170.6	0.0	1.1	29.8	0.0	0.9	0.0
07	77.9	53.7	65.8	3.7	2.7	3.0	339.9	283.3	204.7	98.7	34.1	19.3	5.1	10.5	24.9	74.0	0.0	2.4	31.0	0.0	0.1	0.0
08	76.5	52.7	64.6	3.0	2.5	2.5	303.2	246.9	170.1	73.6	21.4	11.5	5.6	11.3	27.6	86.1	0.0	1.1	31.0	0.0	0.1	0.0
09	68.8	46.2	57.5	3.3	2.9	2.8	141.5	107.9	66.8	24.1	5.8	2.9	66.6	92.9	141.9	249.2	0.0	0.3	29.6	0.0	1.7	0.0
10	54.7	35.1	44.9	3.5	2.7	2.9	18.4	11.0	4.5	0.7	0.0	0.0	331.5	386.1	472.5	623.8	0.0	0.0	21.3	0.0	14.6	0.0
11	40.4	25.0	32.7	5.0	4.3	4.5	0.7	0.2	0.0	0.0	0.0	0.0	669.7	729.2	819.0	969.0	0.0	0.0	6.2	5.9	24.8	0.4
12	29.8	14.5	22.1	3.7	4.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	1018.3	1080.3	1173.3	1328.3	0.0	0.0	0.4	17.9	30.4	4.3
Summary	51.8	31.0	41.4	3.9	3.8	3.7	1087	869	588	253	76	41	6002	6513	7328	8818	0.0	5.1	195.1	76.7	193.2	27.3

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)								
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75
01	2.04	20.3	7.2	0.4	0.0	1.52	1.96	2.44
02	1.53	14.3	5.3	0.4	0.1	1.10	1.43	1.94
03	1.69	11.6	4.8	0.8	0.1	0.98	1.50	2.38
04	2.44	11.0	6.2	1.7	0.2	1.68	2.40	3.27
05	3.27	13.3	7.5	2.2	0.6	1.97	3.23	4.51
06	3.37	12.3	7.2	2.5	0.6	2.18	2.96	4.28
07	3.58	12.9	7.1	2.4	0.7	2.17	3.56	4.75
08	3.03	11.9	5.7	2.0	0.8	2.01	3.17	3.80
09	4.25	15.2	7.8	2.9	1.1	3.22	3.94	5.06
10	4.74	17.4	9.8	3.0	1.1	3.15	4.24	6.21
11	2.86	15.2	8.2	1.4	0.3	2.05	2.79	3.40
12	2.29	17.0	7.9	0.7	0.1	1.53	2.09	2.75
Summary	35.09	172.4	84.7	20.4	5.7	23.56	33.27	44.79

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	45.60	18.7	15.5	6.8	2.3	0.3	30.4	29.7	27.2	18.8	34.30	40.90	52.40
02	29.70	13.4	10.0	4.1	1.8	0.1	28.4	28.1	27.2	24.1	17.30	30.00	34.40
03	18.60	8.4	6.2	2.5	1.1	0.2	25.5	23.8	21.9	18.5	11.70	15.70	25.00
04	11.80	4.0	3.4	1.4	0.8	0.1	8.2	6.8	5.9	3.8	4.00	7.60	17.90
05	0.60	0.4	0.3	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.90
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	2.50	1.6	1.1	0.4	0.1	0.0	1.1	0.5	0.2	0.0	0.00	1.60	3.70
11	18.90	7.6	5.7	2.7	1.4	0.2	10.6	6.9	4.9	1.6	5.50	12.70	26.90
12	36.30	14.0	11.0	5.1	2.2	0.3	25.0	21.5	17.4	8.8	18.90	33.80	46.70
Summary	164.0	68.1	53.2	23.1	9.7	1.2	129.4	117.3	104.7	75.6	91.7	142.3	207.9

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0.0	0.7	14.9	78.2	354.4	625.5	799.7	762.5	525.3	193.8	31.0	0.8
45	0.0	0.0	5.6	35.0	230.8	477.2	644.7	607.5	380.1	103.8	10.6	0.1
50	0.0	0.0	2.4	12.9	135.0	335.1	490.2	452.9	248.0	48.9	3.2	0.0
55	0.0	0.0	1.2	3.9	69.3	209.2	339.9	303.2	141.5	18.4	0.7	0.0
60	0.0	0.0	0.3	0.9	30.1	110.8	204.7	170.1	66.8	4.5	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.8	11.7	59.6	223.8	385.2	505.0	477.6	312.7	108.6	15.6	0.5

Growing Degree Units (Accumulated Monthly)												
40	0	1	16	94	448	1074	1873	2636	3161	3355	3386	3387
45	0	0	6	41	271	749	1393	2001	2381	2485	2495	2495
50	0	0	2	15	150	485	976	1428	1676	1725	1729	1729
55	0	0	1	5	74	284	624	927	1068	1087	1087	1087
60	0	0	0	1	31	142	347	517	584	588	588	588
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	1	12	72	296	681	1186	1664	1976	2085	2101	2101

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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